

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	4777881
<b>Application Number:</b>	10810442
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	8969
<b>Title of Invention:</b>	Method and system for increased bandwidth efficiency in multiple input - multiple output channels
<b>First Named Inventor/Applicant Name:</b>	John W. Ketchum
<b>Customer Number:</b>	23696
<b>Filer:</b>	Kenneth K. Vu/Gina Golia
<b>Filer Authorized By:</b>	Kenneth K. Vu
<b>Attorney Docket Number:</b>	000252C1
<b>Receipt Date:</b>	11-FEB-2009
<b>Filing Date:</b>	26-MAR-2004
<b>Time Stamp:</b>	18:14:14
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	5215
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## File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part/.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed (SB/08)	000252C1_2009-01-20_SIDS_SI_GNED.pdf	1271527 ca011bcb0f8fb030bb39dc23088abed d8fc	no	4

### Warnings:

### Information:

This is not an USPTO supplied IDS fillable form

2	Foreign Reference	EP0869623.pdf	8180992 94626953b172c3a7a0ad65793252e972ef 5fe1a	no	24
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### Warnings:

### Information:

3	Foreign Reference	WO00014921.pdf	903264 ee0d67afb40ed6dd1e052764310327e8f5 af33	no	28
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### Warnings:

### Information:

4	Foreign Reference	WO00064073.pdf	1256413 3469fe1a90d641ff1bb6e5945cfbeff 08dc5	no	27
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### Warnings:

### Information:

5	Fee Worksheet (PTO-06)	fee-info.pdf	29978 e75867770bb8d0d95319efaf9d3c4420f692 bb8cf	no	2
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### Information:

Total Files Size (in bytes): 11642174

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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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